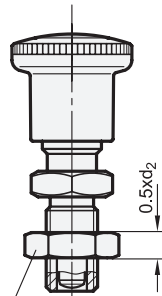
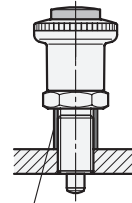


Plunger pin retracted



Lock nut ISO 8675

Assembly instruction



Distance bushing GN 609.5



- 3 Type**
- A** Without lock nut
 - AK** With lock nut

1 d₁ Pin <small>-0,02 -0,04</small> Bore H7	2 l₁ min.	d₂	d₃	e	l₂ ≈	l₃	l₄	A/F	Spring load in N ≈		Axial load in N
									Initial	End	
6	6	M 12 x 1,5	28	21,9	56	22	6	19	6,5	19	120
6	9	M 12 x 1,5	28	21,9	56	22	6	19	6	25	120
8	8	M 16 x 1,5	28	21,9	62	26	8	19	8,5	26	120
8	12	M 16 x 1,5	28	21,9	62	26	8	19	8,5	28	120
10	12	M 16 x 1,5	28	21,9	62	26	8	19	9,5	38	120

Specification

- Steel —
 - Blackened
 - Plunger pin hardened
- Stainless steel AISI 303 **NI**
 - Plunger pin chemically nickel plated
- Knob
 - Plastic (Polyamide PA)
 - Black-gray, RAL 7021, matte finish
 - Temperature resistant up to 80 °C
 - Not removable
- Push-button
 - Plastic (Polyacetal POM)
 - Red, RAL 3000, matte finish
- *Load Rating Information* → Page 2132
- *ISO Fundamental Tolerances* → Page 2151
- *Plastic Characteristics* → Page 2158
- *Stainless Steel Characteristics* → Page 2166
- RoHS

4 Information

Indexing plungers GN 414 with safety lock are used when the inadvertent retraction of the plunger pin is to be prevented. The protruding plunger is first locked and may be unlocked for pulling only by exerting axial pressure on the red safety push-button.

The safety lock engages in the front end position, i.e. automatically if the plunger pin protrudes, with the locking mechanism housed fully in the operating button and protected from malfunctions. The specified axial load bearing capacity refers to the locking force of the bolt against inadvertent operation which must not be exceeded.

see also...

- *List of Indexing Plunger Types* → Page 884 ff.
- *Distance Bushings GN 609.5 (to Limit the Thread Length)* → Page 952
- *Thin Hex Nuts GN 909 / GN 909.5* → Page 953
- *Positioning Bushings GN 412.2 / GN 412.4* → Page 954

How to order (Steel)	1 d₁
GN 414-8-12-A	2 l₁
	3 Type

How to order (Stainless steel)	1 d₁
GN 414-10-12-A-NI	2 l₁
	3 Type
	4 Material